

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Rich_Stern_at_WFF-E105@ccmail.gsfc.nasa.gov
Subject: [5223] --- THANKS FOR HELP TO SPAIN !!!---
Message-ID: <9602058260.AA826046477@ccmail.gsfc.nasa.gov>

TO ONE AND ALL ----

***** THANK YOU *****

I WISH TO THANK EVERYONE FOR THE REPLIES I RECEIVED CONCERNING A
RECIPROCAL OPERATING LICENSE IN THE CANARY ISLANDS. THE RESPONSE WAS
TRULY AMAZING. I EVEN GOT A MESSAGE FROM THE CANARY ISLANDS !!!

YOU HAVE ALL LED ME IN THE RIGHT DIRECTION IN A VERY SHORT PERIOD
OF TIME. THANK YOU MY FELLOW HAMS!!!!

DE NW3N ... RICH...DIT...DIT

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [5241] 624 kits
Message-ID: <1996Mar05.124703.12171@abs.net>

From: KFGlynn@aol.com

Hello gang,

Does anyone have 624 Kits' address, phone number and/or e-mail address?

Thanks.

73 Kevin KB2TEO

A LISTING of QRP/HOMEBREW RESOURCES By Danny Gingell, K3TKS (C)
03/05/96

.....
624 KITS, N4LTA (Pat Bunn) : QRP KITS of Many of the Popular QRP
Projects.

171 SPRINGLAKE DRIVE **** : Most are Complete kits including all parts,
a
SPARTANBURG, SC 29302 : Hi-Quality PCB, and Detailed instructions.
(803)573-6677 : Various options offered.

.....
QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@bbs.abs.net

--

George Gingell, user of the UniBoard System @ abs.net
E-Mail: George.Gingell@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [5266] 80 METER QRP BEACON THIS WEEKEND ***
Message-ID: <9603060030.AA18018@gvlf6-a>

I am going to run the QRP beacon on 80 meters this weekend March 8-10.
The beacon will run for the entire weekend.

----- 80 METER QRP BEACON -----

START TIME: No later than 9:00 PM EST Friday Mar 8 (Maybe as early as 7:00 PM EST. Depends on when I get home from work) The beacon will be on continuously through the entire weekend including daytime hours. I don't know how productive it will be during the daytime but that is part of the point of all this -- to find out. The 1-2 hour period before, at, and shortly after my and your local sunset (and sunrise) should be most interesting.

END TIME : No earlier than 8:00 PM EST Sunday Mar 10

LOCATION : Newtown Square PA FM29hx (about 15 miles west of Philadelphia)

FREQUENCY : 3557 KHz

OUTPUT POWER : Power will cycle though 6 different levels, 2 minutes at each level, resulting in 5 complete cycles per hour.

----- minutes past hour -----					power level
:00-02	:12-14	:24-26	:36-38	:48-50	2 W
:02-04	:14-16	:26-28	:38-40	:50-52	200 mW
:04-06	:16-18	:28-30	:40-42	:52-54	20 mW
:06-08	:18-20	:30-32	:42-44	:54-56	2 mW
:08-10	:20-22	:32-34	:44-46	:56-58	630 uW
:10-12	:22-24	:34-36	:46-48	:58-60	200 uW

Note the 630 uW level inserted between 2 mW and 200 uW represents the 5 dB mid-point between the two levels.

As before, these times should hold pretty close.. within 20-30 seconds.
Power level will not change to the next level until previous message has
finished sending.

MESSAGE:

VVV VVV VVV xx MW <4_letter_code_word> DE WA3NNA/B QRP

Sent at aprox 15 WPM. Unique codeword for each power level.

ANTENNA : Full size inverted-vee @ 65' running east/west.

One way or another, certificates acknowledging the lowest power level at
which you correctly copy the codeword will be available. Details TBD.

80 has been pretty quiet here the past few days. Hope it stays that
way through the weekend.

I will be monitoring e-mail on an off through the weekend for reports/comments.
A summary of reports received will be posted around the middle of the following
week. Please include time and signal report with your reports.

Good luck,

73,

Pete Rossi - WA3NNA
rossi@vfl.paramax.com

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: JessQRP@aol.com
Subject: [5219] A midnight fish story with a happy ending or what I did in the CQ
SSB test.
Message-ID: <960305004322_438328714@mail06.mail.aol.com>

Hi all.

A sad tale. My wife and I were out for a frolicing evening of dance and
dinner (country dancing if anybody cares!). We were just leaving the dance
club and were headed out for a late snack when the cell phone rang (hey, when
it comes to the kids welfare, ham radio is great but reliability is number
1). Number 2 son was up chucking all over the place, so scratch the palns for
the rest of the evening. We high tail it home. After 2 hours of cleaning and
consoling, there I sat in front of the rig at 1:00 am with not a thing to be
heard on the bands and I was stewing over the loss of a good night out (not

really, kids are kids ya know). Anyway, was spinning across 40 meters and dead, nadda, nothing. Was about to shut down and try to get some sleep, one more spin to the bottom of the band.....Wait! what was that?.....VD??r? no, I crank up the gain...Not VD...He's going fast and QSB is bad.....3D2RW! Fiji! Ron, ZL1AMO is on Fiji...I listen, no one is returning his CQ....I call, dang! keyer is too fast.....I call again 2 X I listen...
Nope. Still CQing....I wait QRZ again... Another 2 X but slower.....There it is! ??TFI AGN....N0TFI N0TFI 559 559 C0 C0 de N0TFI N0TFI BK RR N0TFI 449 449 TU QRZ 3D2RW QRZ..

Ya gotta love it.. That's what I like about SSB contests, no piles on the CW DX!

Best

Jess N0TFI (with one more notch in my QRP DX belt!)

P.S. Rig OHR 400 5 watts and a Gap Titan Vertical

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996

From: Tim Pettibone <tpettibo@nmsu.edu>

Subject: [5253] Another night in QRP-land

Message-ID: <199603051938.MAA15930@NMSU.Edu>

After I did a short stint on the 40m version of the Century Club, I turned off the TS140S (cranked down to 5 watts, naturally) and turned on the Norcal 40A (adjusted to just a hair over 1.0 watt). Went down to the low end of 40m listening around and hooked up with KI7KW in Lake Oswego, Oregon. Had a really nice qso with him, 2-way qrp, for over 30 minutes. Signed with him, and got a call from W7SR, Hal in Portland. Hal celebrated his 92nd birthday yesterday I got to congratulate him. He couldn't believe I was using 1 watt but we carried on a nice qso for about 30 minutes. Then I went looking up around 7040. Called cq and got a call from AC6LA, Dan. Another 2-way qrp qso for about 30 minutes. It's getting late so I sign with Dan and get called by N6ULU, Stan. We have another 30 minute qso, 2-way qrp. By the way, all of these qsos were peaking 599 plus - a real pipeline into the west coast. Ain't qrp fun!

Tim AB50U

Las Cruces, NM

p.s. Got my Titan back up at 17' at the base. Also re" gained" my 30m attenuation! Gotta work on that!

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Steve Silverwood <kb6ojs@earthlink.net>
Subject: [5228] Antenna suggestions
Message-ID: <199603051527.HAA10210@finland.it.earthlink.net>

Here's the situation:

I live in a downstairs apartment with a small backyard. We have a storage shed in the back, which means I may actually have a chance to set up a ham station again after being restricted to just my HT and 10m mobile rig for the past three years!

But along with the apartment comes a limitation regarding what kind of antenna I can put up. Being a downstairs apartment, it means I have no access to the roof. Having the backyard means I can probably set up some kind of dipole or small beam, but I can't put it up very high. I also will have to operate very low power, in the QRP range, in order to avoid the interference problems that will no doubt come about with being in such close proximity to other apartments loaded with cheap electronics. ;-)

Being a Tech Plus licensee, I will probably want to go for 40m CW operation. I've considered the Butternut bowtie beam antenna, but not sure about how it will perform in the above environment.

If anyone has any suggestions as to commercial or homebrew solutions to this problem, I'm all ears!

-- //Steve//

Computer Associates CompuServe: 76703,3035
Fax: 714/557-1675 Internet: kb6ojs@earthlink.net
Phone: 714/513-7236 America Online: KB6OJS
Homepage: <http://ourworld.compuserve.com/homepages/KB6OJS>
Personal homepage: <http://www.earthlink.net/~kb6ojs>

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: George Dobbs <g3rjv@gqrp.demon.co.uk>
Subject: [5275] Bad News for UK QRPers
Message-ID: <jQnB+HA8t30xEwY5@gqrp.demon.co.uk>

Ten Tec Pulling out of European Market

Because of the new EEC EMC Directive on all electronic equipment, Ten Tec have announced that they are no longer supplying equipment to the UK

or other EEC countries in Europe.

It is these same regulations that currently threaten to close UK QRP kit manufacturers. In the UK (but not in all EEC countries!) they apply to kits.

The cost of obtaining "type approval" to sell equipment and kits may be more than some parts of the market can take.

Most Direct Conversion receivers would fail the very stringent standards for emission from the input of a receiver and would probably never receive approval.

It could be a sad time for QRPers in EU.

George Dobbs G3RJV
The G QRP Club
g3rjv@gqrp.demon.co.uk

"It is vain to do with more
what can be done with less"
William of Occum (1290-1350)

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: okasb@shoe.mtv.gtegsc.com (Bob Okas)
Subject: [5264] Cascade Popped it's last kernel!
Message-ID: <9603052211.AA06678@shoe.mtv.gtegsc.com>

Fellow Cascade Owners,

I was inspired this weekend to look at the Cascade noise problem (again) after I discovered there were a fair number who shared this problem. My rig has a distinctive 'popcorn' noise that masks the weaker signals. I worked on the problem for several weeks back in the Fall trying to clean this up, with no success. I traced the noise back to U1, the second receive mixer, and that's where I stopped. I just figured it was a noisy '602 and I decided to live with it.

In revisiting the schematic, I observed that the audio section has over 80 dB of gain, a goodly amount. Anything getting to the input of the U8A, the 5532 op amp, is going to be seriously magnified. So disconnecting the 470 Ohm resistor that supplies the +8 volts to U1 did not, unsurprisingly, stop the noise. The op amp is a low noise device and I've had good results using it as a balanced, low impedance mike preamp, so that wasn't the culprit. I then decided to look at the +8 volt line itself, which is directly tied to pin 3, the non-inverting input, of U8. Cranking up the 'scope gain to 2 mV per division revealed the truth. It was the 78L08 regulator! In my case, the supplied part had about 0.5 mV (that 500 uV!) of low-frequency step-like noise that was riding on the output. I simultaneously

viewed

the output of the 2002 power amp to be sure of the correlation.

Last night, I came up with the fix. I picked up some 78M08's at a local surplus emporium, the 'L' version being unavailable. I carefully unsoldered U4 and installed three IC socket pins. I then tried each of the new parts and noticed a lack of popcorn noise in all of them. I left quietest regulator in the socket. These devices do produce wideband noise and although the Cascade was significantly quieter, I still wasn't satisfied.

Back to pin 3 of the 5532. Since this stage amplifies whatever it sees on the non-inverting input by over 20 dB, the noise input had to be minimized. I decided to install a low pass filter on this input. Here's how to do it:

On the solder side of the board, cut the +8v line to pin 3 and scrape off the solder mask on the 8V trace where it makes a right angle bend to the right of the chip. Install a 4.7 K resistor between pin 3 and the +8V line. Next, tack in a 0.1 uF mono ceramic cap between pins 3 & 4 of U8 to complete the mod. This filter works well at eliminating the high frequency hiss from the audio.

The result is that I can finally make out what the weak stations are saying! The noise floor is pretty darned close to the atmospheric noise level. Although I haven't yet tried this, I suspect that beefing up the bypass capacitance at U1 might also help.

I hope y'all youze guyz find this helpful!

Bob - N3MBY/6, formerly of Bawlmer, Merlin where all the waitresses call me 'Hon'!

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: RobCap@aol.com
Subject: [5248] Clue to HW9 Problem
Message-ID: <960305135109_160810840@emout09.mail.aol.com>

Hi folks-

I have a clue to the HW9 problem. The HW9 has a built in circuit that enables a volt-meter to work like an RF probe. A number of people suggested that I probe along key parts of the circuit, and see if I could find a point in the circuit where RF power output starts out high, and falls off rapidly during warm up.

Sure enough, at Test Point #4 (BFO Output), power falls off rapidly after start-up, from 130 mV to 52 mV over about two minutes. The fall off is fairly proportional to my loss of power in the final PA, and within about the

same time period! Hmmmm. May be progress.

Question 1: Would this condition of reduced output of the BFO be a likely candidate to reduce final power output in this way? Would it also diminish output in the receiver?

Question 2: Within the BFO, what are the likely culprits for this transient behavior? My guess is a bad transistor, but am interested in your ideas.

Please e-mail directly to: Robcap@AOL.com

73, (& Thanks)

Rob

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [5273] FOX - CAUGHT
Message-ID: <199603060231.VAA31932@mh004.infi.net>

Well, the rest of you might as well go to bed. The Fox is caught. I couldn't believe it. It was all over before 9:15 EST.

Turned on the Sierra there was K5FO all by himself with a nice clean signal. Called him and noticed the needles on my tuner going crazy. He came back with a 229 as I realized I hadn't retuned from working 80 M earlier. WHERE IS THAT BLASTED TUNER CHART??? I tried to answer and tune at the same time -- I don't know -- I was chewing gum, too, so got all confused.

First time I've caught the Fox without listening at least 45 minutes.

CUL,

Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [5237] Fox Schedule
Message-ID: <199603051643.KAA14116@chuck.dallas.sgi.com>

Gang,

It is truly hard to believe that once again we near the end of another season of "fox-hunting", i.e. looking for another QRP'er on 40M and trying to snag a quick exchange and beat the hords of others also doing the same thing.

Here is the schedule as I last posted it and you will note that these are the last two weeks of regularly scheduled programming.

After this everyone is getting ready for Dayton.

Then in June-September timeframe we'd like to try the 30M propagation study to see how many QRP-Ler's can meet on the air. With the longer days 30M should once again become somewhat decent and stay open to later hours. Maybe we can once again hear the Commercial RTTY stations as they have been missed since Oct although heard aperiodically.

So here is the fox schedule for the next two weeks and yes, there is one tonight (Tuesday in the USofA).

dit dit es gl

-----cut here-----

March 3, 1996 --

Tuesday	March	5,1996	---	6-8 PST	N9UXU	Dave
(Wed)	March	6,1996	---	0200UTC		

Wednesday	March	6,1996	---	8-10EST	N4AOX	Clay
(Thu)	March	7,1996	---	0100UTC		

March 10,1996 --

Tuesday	March	12,1996	---	8-10EST	W6TOY	Bruce
(Wed)	March	13,1996	---	0100UTC		

Thursday	March	14,1996	---	7-9MST	WB4ZKA	Mike
(Fri)	March	15,1996	---	0300UTC		

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Wynn C C <wyn@stc06.ctd.ornl.gov>
Subject: [5238] FOX: Wed. Fox Hunt Sked.
Message-ID: <Pine.OSF.3.91.960305114816.22807A-100000@stc06.ctd.ornl.gov>

Gang,

The ole fox will be on the prowl Wed. Night 8:00PM-10:00PM EST.
QTH is near Knoxville Tn. Thunderstorms are predicted so it may
be rough. Novices will be served 7.105-7.110 MHz from 9:00-10:00,
others at 7.045-7.045 MHz from 8:00 to 9:00 PM EST.

Call will be CQ CQ FOX DE N4AOX N4AOX AR K

72/73,
Clay N4AOX
wyn@ornl.gov

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: wdzeares@rockdal.aud.alcatel.com
Subject: [5233] FOX?
Message-ID: <9603051609.AA00417@aud.alcatel.com>

In there a FOX tonight, Tuesday? What is the time for
operation?
Thanks, 72 Dennis K3ETS Dallas

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [5267] FRance
Message-ID: <9603060114.AA05771@flowserver.stem.com>

Well, I am being sent to France next month to assist at our Lyon
Facility. I'm toying with the idea of a recipicol operating permit.
I'll call the ARRL for the forms and procedures, but does anyone
know anything about French ham radio? What (other than a 2 meter
ht) might be a useful rig to bring along?

73 de dave...

=====

David J Adams
dave@flowserver.stem.com
(415) 813-5028

N9UXU QRP-L #83
NorCal QRP #1442
Flow Cytometry Specialist

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: John Shuster <jshuster@olympic.net>
Subject: [5235] G-QRP Club Circuit Handbook
Message-ID: <01BB0A6F.79861AA0@oly3-116.olympic.net>

To All:

I saw this circuit handbook advertised for \$12. Any comments?

My concern is that its circuits will call for components that are not = readily available, difficult to find, or relatively expensive. Upside = is that I could build some projects from scratch.

John
KC7CKP

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: JCoote@aol.com
Subject: [5247] Good hi-angle ideas, Thanks!
Message-ID: <960305135048_160810839@emout10.mail.aol.com>

Thanks to those who responded to my questions and remarks about high-angle and wideband antennas.

Most of the responses and e-mail I received were in favor of large horizontal loops close to ground as well as dipoles/doublets fed with balanced line and a tuner.

It was also interesting to hear comments from other hams on the efficiency (or lack of) in resistor-terminated wideband antennas such as those made by Telex or Barker and Williamson. I have made stateside QRP CW and packet contacts on our B&W AC 1.8-30, but I think the reports may have been a little better had I used a full-sized antenna without a resistor termination.

73, Jay
WB6AAM

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Steve Silverwood <kb6ojs@earthlink.net>
Subject: [5227] Headphone recommendations
Message-ID: <199603051527.HAA10217@finland.it.earthlink.net>

I have been using a pair of Archer (Radio Shack) lightweight mono headphones for SWL and ham work, but they are getting a little worn. I would like to get a better set of headphones -- mono, general purpose for both SWL and ham use -- but would like to find out what others are using and get their recommendations. Any comments, feedback etc. will be greatly appreciated. Thanks in advance.
-- //Steve//

Computer Associates CompuServe: 76703,3035
Fax: 714/557-1675 Internet: kb6ojs@earthlink.net
Phone: 714/513-7236 America Online: KB6OJS
Homepage: <http://ourworld.compuserve.com/homepages/KB6OJS>
Personal homepage: <http://www.earthlink.net/~kb6ojs>

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: cmassey@airmail.net (Cleve Massey)
Subject: [5274] HT for QRP rig
Message-ID: <v02130401ad62b783ed5d@[206.66.11.87]>

I have an Alinco DJ-180T two meter HT with a drop in charger and nicad batter pack...it is not a QRP (two watts out). I now use the Standard 508 which is only 250 milliwatts and a lot more fun...

Anyway;, does anyone out there have a 30 or 40 mtr. little QRP rig they haven't built or built and it is now gathering dust as you have moved on to something else....

I wanna TRADE!!!

The HT now retails for \$179 so figure one of the \$100 or so QRP rigs with maybe a KC1 or something like that would be a good trade...or the rig and a QRP wattmeter...

I try to keep the hobby self-supporting so I trade as often as possible...

Pse e-mail direct...

cleve/wd5bor

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: "TimCook" <timcook@erinet.com>
Subject: [5272] HW-9
Message-ID: <199603060230.VAA02002@eri.erinet.com>

Just saw this on the swap newsgroup.. sounds like a good buy for someone:

Mint condition HW9 with WARC bands installed. Also includes the HWPAT matching antenna tuner. Both work beautifully and look like new. \$175 for the pair shipped. Call anytime to 417-859-5024. If i am out leave a number on the answering machine. Thanks....

It's not mine, just thought I would put it here where there were more people looking for something like this...

73
Tim
NZ8J
Tim Cook
timcook@erinet.com

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: BWHITTEM@mailgw.sanders.lockheed.com
Subject: [5225] i cant build my 40-9er sniff.
Message-ID: <13c546a0@mailgw.sanders.lockheed.com>

i just ordered my 40 9er kit from jim but my xyl says she wants to build it. i guess its ok. she wants me to show her how. maybe it will be good. if she finds out how fun it is maybe she wont put up a fuss next time i want a new one. but maybe ill ahve to get another kit. oh well, im waiting patiently for it.
73 all
barry
wb1edi qrp-1 #51 ne qrp #431

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: ae4ic@nr.infi.net (BOB KELLOGG)

Subject: [5249] Lost mail

Message-ID: <199603051906.OAA11162@mh004.infi.net>

Sorry guys, but I just lost about 25 posts, so if any one sent something directly to me, please resend. Thanks.

CUL,

Bob Kellogg, AE4IC

Prolably, but not nececelery. - Benny Hill

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996

From: vhatley@usa.pipeline.com (Vernon Hatley)

Subject: [5229] Micro 20 Reciever Help

Message-ID: <9603051519.AA00905@pipe8>

Friends of mine AB5UA and WJ5F have ask me to post this message for them. They have both built a Micro 20 Receiver, from '73 Magazine Feb. 1988, page 28. They ordered the boards from Far Circuits, assembled them as per instructions, and bingo they don't work. They have been struggling for about 2 weeks and haven't made any progress. Here is what they have so far:

Noise from headphones, signal into pin 4 of the 1350 but no signal out, no response at T1. All three chips; 2 - 602s and the 1350 have been put in other rigs to test and all three work fine. They have checked and re checked all solder joints with a magnifying glass. All the support components for the ICs have been checked and re checked. Both rigs are displaying the same response.

WJ5F has been building for well over 15 years, but even he is getting very frustrated. Have any of you out there built this rig? Was there a correction published later for some mistake in the design. Any help would be much appreciated at this time. Please e-mail me direct and I will print off your response to give them as they don't have e-mail access.

72/73

--

KK5RO

Vernon A. Hatley

QRP-L #325

OHR Explorer II

Ten Tec Century 21

Butternut Vertical

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996

From: PAT DOYLE <DOYLEPS@LAKEHURST.NAVY.MIL>

Subject: [5258] MXM-40 Kit Building Experience -Reply

Message-ID: <s13aff9b.078@LAKEHURST.NAVY.MIL>

After reading KJ5VW/0's note, I have a comment.

When circuit boards, aluminum tubing for antennas etc., and other non-steel items are being cleaned prior to assembly and/or soldering, do not use steel wool, Brillo, or the like. If you do, you will probably instigate corrosion. If you don't intend on using the item for very long, there is no problem. However, how many of us build or assemble something for short term use?

Cleaning is best done with something that is galvanically similar or more likely to corrode (like the zinc "coin" place on boat propellers to act as the sacrificial metal).

It is best to clean with something like Scotchbrite and/or Softscrub cleanser (with a soft cloth). Rinse the item with water or solvent afterwards. If water is used, dry with a clean cloth, paper towels, etc.

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: ruswhite@netzone.com (Russell W. White)
Subject: [5268] My new Vertical
Message-ID: <199603060122.SAA05589@nz1.netzone.com>

Hello all,

A short while back I asked for information and opinions about the GAP Titan vertical antenna. Overall, the opinions and experiences with the Titan were positive, and that helped me to make up my mind. That, and the fact that on our (phoenix AZ 146.94 repeater) monday night swap net one ham out there was putting up a beam and he was selling his 6 mo old GAP Titan for "the first one hundred dollars takes it". I called immediatly, beating out a buddy of mine, and this past Saturday (3-2) I picked up and installed my new Titan.

Well, the XYL is happy because all those wires are off of the roof, and I now have access to all of the HF bands (For 160 I have a horizontal loop and a tuner).

73, de AB7JX

|*****|
| Russ White AB7JX (ex WB1GQG) QRP-ARCI NORCAL NEQRP |

| Phoenix AZ QRP-L#179 ARRL AZQRP#3 |
|*****|

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Mill.Moore@VALLEY.NET (Mill Moore)
Subject: [5256] Need "Boatanchors" address
Message-ID: <719344@hanover.VALLEY.NET>

Could someone e-mail me privately with the address to sign up for the
"boatanchors" list?

Mill Moore, AA1PB
Hartland, Vermont

mill.moore@valley.net

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: RobCap@aol.com
Subject: [5224] NEED HELP with Heath HW-9
Message-ID: <960305094433_341577319@mail06.mail.aol.com>

HELP!!!!!!!!!!

Have now completed my HW-9, and have one problem remaining. First the good news. The rig has been completed. All major subsystems (HF0, VF0, BF0, receiver, xmtr) came right up. The receiver sounds great and has excellent audio output. The transmitter also came right up, and is putting out several watts on all eight bands. The rig looks great.

Now the problem: When the radio is first powered up, it transmits with output power of 7-8 watts. Then, over a two minute period of time, power output falls off to 2-3 watts, where it remains. If I turn the rig off for several minutes, again power comes back up to full power, and begins immediately to fall off. Problem is consistent across all bands.

I've never seen a problem like this. Has anyone seen this problem before in the HW-9 or in any QRP rig? What are your instincts? Does the problem seem related to:

- a) Capacitor, RC time constant problem?
- b) Thermal problem. Part heats up and flakes out?
- c) Wiring?

d) Bad component?
e) Does it sound like a problem in the final amplifier circuit, or could it be an earlier drive problem?

Am not on QRP-L, so would appreciate comments/ideas sent directly to:
Robcap@AOL.com

Thanks, & 73,

Rob, WA3ULH

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996
From: Thom.LaCosta@f0.n105.z105.fido261.qis.net (Thom LaCosta)
Subject: [5240] Plural of "y'all"
Message-ID: <3fd_9603051224@fido261.qis.net>

ERNEST GREGOIRE wrote in a message to All:

>What I find interesting is the ridicule often meant as harmless fun in
>pointing out the differences in someone local mannner in speaking the
>English language.

> Frank Forsyth AA8VN Port Huron, Mi.

>

EG> Hello Gang,

EG> Your right Frank, you can't tell accents on CW. Personally I love
EG> accents. I think they are the sugar and spice of a language.

FWIW...when I transered into Mischigan State U years ago, they insisted that I take some screening tests....one of which was spoken english. Gosh Love those mid-western flat-landers...I spoke the local 'Bawlamer' accent (reputed to be one of the worst manglings of english ANYWHERE)...and promptly got signed up for remedial speech classes.

But...when I'm on the 'Reddio' from Bawlamer, Murland....as long as it's cw, Nobody knows nothink 'bout the fact that I really warsh my hands in the zink, and hope that the gas stove don't catch on far.

Thom LaCosta
N3WDV
Our Business is Business

--

|Internet: Thom.LaCosta@f0.n105.z105.fido261.qis.net
|Standard disclaimer: This user speaks only for him/her self.

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [5242] QRPP NETS ?
Message-ID: <1996Mar05.125343.12171@abs.net>

Bob Gaye, K2LGJ

Thanks for the NET Report on TCN. Let's hope that the propagation starts to improve soon.
OBTW - FYI - I have since learned, (Saturday after net), that one other reason for the Increase in my signal during the short interval of time mentioned, was probably not due to propagation as you thought. I changed rigs to the ARG0 509 for part of the net. It seems that I was running the net with 70 milliwatts. I was using the QRP + with the New and Greatly Improved ROM chip. (It now remembers to start up with all the previous parameters, including CW Mode! It also has Single digit speed increments from 10-34 wpm, then 2 wpm increments to 44 wpm then 45 wpm Top end.) I can almost use the internal keyer now. It seems that I neglected to charge the big 38 AHR Gel-Cell and the Voltage had dropped down below 11 Volts. It just goes to prove what I have said before, " We all run QRP (QRPP) at one time or another, Sometimes intentionally, sometimes because Murphy Rules."

Bob,

I lost your email address, please advise.

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@bbs.abs.net

OBTW GANG, I MIGHT JUST DO THE QRPP NET ON A MORE REGULAR BASIS.
7 QNI IS NOT BAD CONSIDERING.
QRPP DX TU

--

George Gingell, user of the UniBoard System @ abs.net
E-Mail: George.Gingell@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: hankster@ix.netcom.com (William H. Perkins, Sr.)
Subject: [5221] Ramsey kits
Message-ID: <199603051118.DAA26361@ix3.ix.netcom.com>

I have just finished the TV-6 and the SR-1 and had no problems. Worked the first time. These were my first kits, so I cannot compare. But I do appreciate the advice about transmitters and receivers for qrp. I have ordered OHR Explorer II for 30 meters. And I ordered the WM-1. Thanks for the advice, guys.

Henry, AE4MX

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: lbrunson@rodgers.rain.com
Subject: [5270] receiver design
Message-ID: <9603060123.AA26702@rodgers.rain.com>

Over the past few weeks there were a number of good observations posted about receiver design. While discussing these with my twin brother he made the following comment which I think might be worth considering even though the thread is all but dead.

7★ Lowell

Forwarded from KC0VC:

Anyway, the thing that I would add is that in addition to shielding, attention to signal propagation via the power distribution scheme can also be problematic when the power system has not been designed for that amount of signal gain. One of the inherent advantages of superhet receivers is that not all gain is obtained in the same passband, and so there is minimum interaction between stages. The microphonics in early direct conversion receivers was in part due to too much gain all at the audio passband. More modern designs are so integrated, that there is inherently less opportunity for board ground loops, etc.

Gordon

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996

From: RHILT0@acxiom.com
Subject: [5234] Re[2]: Plural of "y'all"
Message-ID: <13c6a460@acxiom.com>

>>What I find interesting is the ridicule often meant as harmless
>>fun in pointing out the differences in someone local mannner in
>>speaking the English language.

>> Frank Forsyth AA8VN Port Huron, Mi.

>Oh, come on now! Lighten up already! Who's ridiculing anyone?
>If the shoe fits, wear it. If you don't like the style, change
>it.

>73, y'all
>Kevin, WB5RUE

One of my biggest chuckles came when I was in a cw QSO with
someone from Brooklyn... just to get away from the standard
rig/power/weather/age format, I told him that I didn't believe he
was from Brooklyn because he didn't have an accent. The poor guy
spent 10 minutes convincing me that he had lived there all his
life.

Y'all come back, he-ah?
("y'all" sure sounds better than "youse guyz").

7.3, ki5ez

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: "David E. Shelton" <deshel01@homer.louisville.edu>
Subject: [5265] Schurr Profi paddle
Message-ID: <Pine.OSF.3.91.960305180457.18133C-100000@homer.louisville.edu>

A month or so ago I read some messages on the group about Schurr paddles
and I was interested in getting some more feedback on the quality and
durability of the Schurr paddles particularly the Profi. I have just
ordered one from Tucker and looking forward to the arrival. I had a new
Square based Brass Racer that I purchased direct from Vibroplex with the
SN 31 from the first lot. However, I am getting ready to return it
because of the poor quality. The laquer finish was peeling off on removal
from the shipping box and the brass base was so crooked on the oak wood

base that I started to wonder if the thing was supposed to be mounted that way. Functionally the Brass Racer worked alright but not in the same league with their Iambic paddle which I currently use and love dearly. It was truly a sad sight to see such a poorly made paddle with the Vibroplex name attached to it.

Any info on the Schurr Profi would be greatly appreciated. Thanks!

73/72,

```
-----  
David E. Shelton, RN, BSN  KE4FPS |  
University of Louisville, SON |  
deshel01@homer.louisville.edu |  
102551,1470@compuserve.com |  
KE4FPS@WD9AGK.#SIN.IN.USA.NA (packet) |  
"Every Patient Deserves A Nurse!" |  
QRP ARCI #9079 FISTS #2103 QRP-L #142 |  
-----
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From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996
From: PAT DOYLE <DOYLEPS@LAKEHURST.NAVY.MIL>
Subject: [5246] solar forecast -Reply
Message-ID: <s13aed46.022@LAKEHURST.NAVY.MIL>

For those interested:

If you want to subscribe to the mailing list that Kent Torrel was referring to, send mail to "majordomo@proton.srl.noaa.gov" with the following command in the body of your email message:

subscribe forecast

Here's the general information for the list:

The Report and Forecast of Solar and Geophysical Activity is the primary daily report prepared by SESC. It provides a summary and analysis of solar and geomagnetic activity during the previous 24 hours as well as the most recent solar indices.

It also provides a forecast of activity and indices for the next 3 days.

Issue time: Daily at 2200 UT.

Period Covered: Activity from 2100 UT the previous day to 2100 UT on the current day, and predicted activity for the next 3 days.

Sample:

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY SDF NUMBER 293 ISSUED AT 2200Z ON 19 OCT 1992

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY WAS MODERATE DUE TO AN M1/1F FLARE AT 19/1759Z IN REGION 7315 (N05E19). THIS REGION ALSO PRODUCED SEVERAL C-CLASS FLARES, INCLUDING A C5/1F AT 19/0124Z, A C6/1F AT 19/0412Z, AND A C7/1N AT 19/0601Z. THIS REGION IS INCREASING IN COMPLEXITY AND MAY BE DEVELOPING A DELTA CONFIGURATION IN ITS CENTRAL SUNSPOTS. THE OTHER DISK REGIONS WERE QUIET. NEW REGION 7318 (N11W63) WAS NUMBERED.
IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE. ANOTHER M-CLASS FLARE IS POSSIBLE IN REGION 7315.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED FOR MOST OF THE DAY. ISOLATED STORM CONDITIONS WERE OBSERVED AT SOME HIGH LATITUDE LOCATIONS FROM 19/1200-1800Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET TO UNSETTLED. ISOLATED HIGH-LATITUDE SUBSTORMS ARE POSSIBLE.

III. EVENT PROBABILITIES 20 OCT-22 OCT
CLASS M 30/20/20
CLASS X 05/01/01
PROTON 01/01/01
PCAF GREEN

IV. PENTICTON 10.7 CM FLUX
OBSERVED 19 OCT 125

PREDICTED 20 OCT-22 OCT 130/135/135
90 DAY MEAN 19 OCT 117

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 OCT 009/009
ESTIMATED AFR/AP 19 OCT 012/015
PREDICTED AFR/AP 20 OCT-22 OCT
010/010-010/010-010/010

VI. GEOMAGNETIC ACTIVITY PROBABILITIES 20 OCT -
22 OCT

A. MIDDLE LATITUDES

ACTIVE 10/10/10
MINOR STORM 01/01/01
MAJOR-SEVERE STORM 01/01/01

B. HIGH LATITUDES

ACTIVE 15/15/15
MINOR STORM 05/05/05
MAJOR-SEVERE STORM 01/01/01

Report and Forecast of Solar and Geophysical
Activity-cont.

Part IA A summary of significant solar features and activity observed during the reporting period, including characteristics of sunspot groups, magnetic fields, flares, radio bursts, and active filaments associated with significant solar regions. Significant solar limb and disk features, including major filament disappearances, are also included.

Part IB A summary of the potential for solar activity during the next 3 days.

Part IIA A description of significant geophysical activity including geomagnetic activity and proton events, polar cap absorption (PCA) events, and satellite-level particle enhancements observed during the reporting period.

Part IIB A forecast of the level of geophysical activity during the next 3 days.

Part III Class M and class X: Probability forecast of the occurrence of one or more class-M

or class-X x-ray flares for each of the next 3 days.

Proton flare: Probability forecast of a flare that will cause a significant proton event at satellite altitudes (at least 10 pfu at energies greater than 10 MeV) for each of the next 3 days.

PCAF: A 24-hour forecast of a polar cap absorption (PCA) event. The PCA forecasts are color coded:

PCAF Green: No active sunspot region on the Sun is likely to produce a PCA event in the 24 hours.

PCAF Yellow: A sunspot region showing characteristics favorable for producing a PCA event is present on the Sun. If an energetic flare occurs in this region, the probability of a significant PCA event is very high.

PCAF Red: An energetic solar event has occurred or a proton event has been observed at satellite altitudes, and there is a high probability that a significant PCA event will result within the next 24 hours.

In Progress: A significant PCA event is in progress at forecast time.

Par IV Observed: The current day's 10.7 cm solar radio flux observed at 2000 UT from Penticton, British Columbia, Canada.

Predicted: Daily 3-day forecasts of the 10.7 cm flux.

90-Day Mean: The 90-day mean of the observed 10.7 cm flux.

Part V Observed, estimated, and predicted daily geomagnetic A_{Fr}-indices (A-indices from Fredericksburg, VA), and daily A_P-indices (planetary A-indices). A_p indices are estimated in near-real time using a network of up to 12 North American stations.

Observed A_Fr / AP: The observed indices for the previous day.

Estimated A_Fr / AP: The estimated indices for the current day.

Predicted A_Fr / AP: 3-day predictions.

Part VI Probability forecast of geomagnetic conditions at middle and high latitudes-the probability of at least one 3-hour K index, at the indicated level, for each of the next 3 days.

Active:	K = 4
Minor storm:	K = 5
Major or Severe storm:	K > 6

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Charles Cashion <ccashion@spdmail.spd.dsccc.com>
Subject: [5263] status update
Message-ID: <199603052117.AA14513@aplo1.spd.dsccc.com>

William R Colbert wrote (wc>)

wc> Hi gang - notice on my digest from yesterday that Charles,
wc> KC5SNU/AE now listed as AC5GT. Congratulations again,
wc> Charles. Will be listening for you. 72/73 Ray

Howdy, y'all!
Just a quick report.

NEW LICENSE

I have now taken all fcc exams and am extra class AC5GT.
I have received encouragement from *NUMEROUS* other elmers.

(Funny...when I started last August, what I really wanted
was my general ticket back.)

OPERATION

I have tried to answer several CQs, but have not connected. It came up this weekend that I might have an offset problem. (I have an OHR Explorer II, which by the way seems quite sensitive.) I might be listening

on one freq and transmitting on another. Anyway, I have offers of help from Dennis K3ETS, Smitty NA5K, Chuck K5FO, Bob KC5RAS, and others. With help like this, who could complain.

HEADPHONES

They have to be light weight, and have a six foot cord, and after hours of usage, I don't want sore ears. I am now trying a pair that are not bigger than a peanut and they stick in your ear. (No head strap). I like them. Somebody else wanted phones that block out room noise. These block out nothing. I can easily hear what is going on in other rooms when I wear them. Cheap! \$4.99+tax.

72,

Charles

AC5GT

--

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [5269] Thursday Fox Schedule
Message-ID: <9603060119.AA05790@flowserver.stem.com>

Okay...I, N9UXU, will be the fox on Thursday evening this week. I will be using the HW-9 (in repairing my Explorer I retuned it and it doesn't hit the novice band anymore).

7.040 +/- 6-6:30 PST	2-2:30 UTC
7.110 +/- 6:30-7 PST	2:30-3 UTC
7.040 +/- 7-7:30 PST	3-3:30 UTC
7.110 +/- 7:30-8 PST	3:30-4 UTC

I ran out of my usual fox cards, so I will try to think of something new for the qsls...

73 de dave, n9uxu---

=====

David J Adams	N9UXU QRP-L #83
dave@flowserver.stem.com	NorCal QRP #1442
(415) 813-5028	Flow Cytometry Specialist

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996

From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [5257] Tues Fox - K5FO
Message-ID: <199603052015.0AA14607@chuck.dallas.sgi.com>

Gang,

A quick change in the sked. Due to work related changes, Dave, N9UXU, will move to Thursday night.

So, for those who are getting the digest and won't see this in time and others who will. I'll be there at 7.040-7.050MHz from 0200UTC to 0400UTC. This will make my second pass this season as a little fox.

Unfortunately, since I'll be using an OHR Explorer II, I will not be able to move up to the Novice part of the band. Somebody remind me next year and I'll up the point value for a Novice contact, say 3x.

Looks like possible thunderboomers but we can hope for low QRN. I'll put the SCAF in place if QRN is bad and I've got the noise from the neighbors A/C, but it's 80 degrees F here.

Here's the setup. OHR Explorer II at 0.95W with pseudo-window at 12' with MFJ-941C tuner, CMOS III keyer and Vibroplex Brass Racer with sq. base #100901, and 20Ahr gel-cell by Gates. I'll call at 20wpm but will slow down for those that need it.

Hope to see a lot of people on station. Let's set a new QSO record here gang. :-) Also you don't need to send my call, I know it. Your call by itself will get my attention if I can hear you. If you wanna try a low power setting at your station come on down. Operators standing by....

I'll call CQ QRPL in order to not confuse bystanders and those not in the know outside of this group. :-)
0200UTC sharp - be there be square.

dit dit (no accent here) :-)

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [5236] upgrade
Message-ID: <9603051643.AA09478@rgfn.epcc.Edu>

Hi gang - notice on my digest from yesterday that Charles, KC5SNU/AE
now listed as AC5GT. Congratulations again, Charles. Will be listening
for you. 72/73 Ray

--
Ray Colbert, W5XE/V31XE, El Paso, Tx

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: kellner@usa.acsys.com (Richard G. Kellner)
Subject: [5243] [5214] Re: 2m cw
Message-ID: <9603051807.AA17541@usa.acsys.com>

> From: lbrunson@rodgers.rain.com
> Subject: [5196] 2m cw
>
> I am particularly interested in a 5 watt cw transmitter
> that hit a satellite. I think the rig could be VX0'ed.
>
> There is the T2/R2 combination of rigs that should be able to go
> anywhere from 1 MHz to 500 MHz.
>
> From: "Bill Kelsey - N8ET - Kanga US" <kanga@brutus.bright.net>
> To: lbrunson@rodgers.rain.com
> Subject: [5214] Re: 2m cw
>
> The R2 (or miniR2) / T2 / LM2 combination will give you a couple of
> milliwatts on 2m - CW or SSB. VX0 controlled - up to 200 khz range.
>
This sounds like a fun application. I built up the miniR2/T2/LM2 for
6m, and the miniR2 is nice because the three boards have the same size
and mount together to form a nice package. I just received a Motorola
MHW591 linear amp module which takes 1-2 milliwatts and turns it into
a watt from 1-250Mhz (or so ... this is from memory). Haven't tried it
yet, but I'll let you know if there's interest. One more transistor
could turn this into 5-10 watts.

Now you got me thinking ... one more LM2 and I could cover 2m/6m with
the same package, and another VX0 and receive preamp for 15m gives it

sat coverage to boot. You wouldn't need the 6m coverage, of course.

73, Rich W5RXP

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Ahlgren Jukka <Ahlgren@ncsbsr02ou.ntc.nokia.com>
Subject: [5220] RE: 40673 Replacement?
Message-ID: <313BFFFA@ncsbsr01ou.ntc.nokia.com>

>Stan wrote:

>

><<The 40673 was a neat IC and fun to work with on small portable
>receivers.>>>

>

>DC Electronics lists NTE222 as a replacement, \$3.90. (Of course, its also
>the
>replacement for a 3N200, 3N204, MFE121, and 3N213 !!)

>

>Me, I still have a couple 40673's stashed away...

>

>73, Bob

In Europe there is also a widely used BF981 DGMOSFET available.
And then there are those beautiful little SMT ones for SMALL portables...

73, Jukka OH6SC

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Larry East <LVE1@inel.gov>
Subject: [5250] RE: 49'er VXO
Message-ID: <2.2.16.19960305191300.27d78640@garnet.inel.gov>

>The maximum tuning range with the trimmer is only 5 Kc (or 5 MHz for
>younger folk), so a smaller value cap may cut that down too far.

>

WOW! 5 MHz range for a VXO -- that must be some kind of a new record!!

(Sorry, just couldn't resist... :-) :-)

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996
From: Pat Taber <ptaber@logicraft.com>
Subject: [5252] RE: 49'er VX0
Message-ID: <199603051934.0AA19527@nss2.CC.Lehigh.EDU>

At 14:11 03/05/96 EST, you wrote:

>>The maximum tuning range with the trimmer is only 5 Kc (or 5 MHz for
>>younger folk), so a smaller value cap may cut that down too far.

>>

```
>WOW! 5 MHz range for a VX0 -- that must be some kind of a new record!!
```

 $\succ$

Just another effect of "metrification." The old SAE cycle was a thousand times the size of these new Metric Hertz things. That's why early radio had such long wavelengths. Of course the British Imperial cycle was bigger still....

>>>==>PStJTT

Patrick Taber
Principal Software Engineer
Logiccraft Information Services
22 Cotton Road
Nashua N.H. 03063

Email: ptaber@logiccraft.com
Phone: (603) 880-0300
Fax: (603) 880-7229
Also known as: KC1TD

From qrp-1@lenigh.edu Tue Mar 5 22:57:49 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [5255] RE: 49'er VX0
Message-ID: <960305145322.23e3c181@carib.vf.mmc.com>

Larry, you wrote, in part:

```
>WOW! 5 MHz range >for a VX0 -- that must be some kind of a new record!!
```

>

```
>(Sorry, just couldn't resist... :- ) :- )
```

Yeah, and it doesn't even use Litz wire!

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Dick G0BPS <DICK@kanga.demon.co.uk>
Subject: [5259] Re: Antenna suggestions
Message-ID: <2nnlyFABu70xEw5u@kanga.demon.co.uk>

In message <199603051527.HAA10210@finland.it.earthlink.net>, Steve
Silverwood <kb6ojs@earthlink.net> writes

>
>If anyone has any suggestions as to commercial or homebrew solutions to this
>problem, I'm all ears!

>
>-- //Steve//

>
Well Steve and the gang,

There are hundreds of ways you can put up an antenna without the
neighbours even knowing it is there. Look at your apartment and think
sneaky...

Can you run a wire under the eaves?
Along a fence, any tree's?
Place a metal ladder against the wall load it up!
Get a length of plastic tube, fit to wall.
tell neighbours its a vent. Fill it with antenna.

Don't think negative, think positive I am sure you will get up some form
of antenna.

--

Dick G0BPS / G0R00 206
Kanga Products.
The UKs leading QRP kit supplier

Home Page: <http://ukinternet.com/ham/kanga>

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Wynn C C <wyn@stc06.ctd.ornl.gov>
Subject: [5239] Re: FOX: Wed. Fox Hunt Sked.
Message-ID: <Pine.OSF.3.91.960305115642.24230A-100000@stc06.ctd.ornl.gov>

On Tue, 5 Mar 1996, Wynn C C wrote:

> Gang,
> The ole fox will be on the prowl Wed. Night 8:00PM-10:00PM EST.
> QTH is near Knoxville Tn. Thunderstorms are predicted so it may
> be rough. Novices will be served 7.105-7.110 MHz from 9:00-10:00,
> others at 7.045-7.045 MHz from 8:00 to 9:00 PM EST.
>
> Call will be CQ CQ FOX DE N4AOX N4AOX AR K
>
> 72/73,
> Clay N4AOX
> wyn@ornl.gov
>
>
Corrections: "...others at 7.040-7.045 MHz" and that's Wed. March 6 8:00-
10:00 PM EST. or March 7 01:00-03:00 UTC.

72/73,
Clay N4AOX
wyn@ornl.gov

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [5254] RE: Good hi-angle ideas, Thanks!
Message-ID: <960305144935.23e3c181@carib.vf.mmc.com>

Jay,

I agree with the majority who favor the low loop. At Field Day the last several years, I've run QRP cw on 80 meters. I've tried low dipoles, a low G5RV (ok it's really a dipole) and a full wave 80 meter loop. The loop has run rings around the dipoles (no pun intended). I can run 20 to 30 contacts per hour for several hours without difficulty.

Another possibility for NVIS is one you've probably considered and rejected - the small vertical loop. It has excellent high-angle properties and the advantage of maintaining vertical polarization. The latter may be useful since you apparently use mobiles in your activities. The downsides are narrow bandwidth requiring re-tuning to QSY and the need to exercise great care in construction to minimize loss. You may recall that the US military did some work on these antennas just for NVIS use in Southeast Asia.

As for the resistor-terminated B&W dipole, it is indeed a compromise antenna. You pay for the wideband low VSWR with added loss. John Belrose, VE2__ (I

forget his call) wrote up a piece on the loss of this configuration in Technical Topics in QST soemtime within the last few uears.

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Paul Christensen <PaulC@jax.se.continental.com>
Subject: [5260] RE: Good hi-angle ideas, Thanks!
Message-ID: <313CCFB3@se.continental.com>

>I agree with the majority who favor the low loop. At Field Day th elast
>several years, I've run QRP cw on 80 meters. I've tired low dipoles, a low

>G5RV (ok it's really a dipole) and a full wave 80 meter loop. The loop has
>run >rings around the dipoles (no pun intended). I can run 20 to 30
contacts per
>hour for several hours without difficulty.

There was an excellent NVIS article that appeared in QST last year. In one of the author's graphs, he shows that the ideal height above ground for NVIS propagation is 0.2 wl, not 0.25 Wl. This assumes that you know where RF ground really is depending on soil/ground conditions. The difference is rather small, but for once, the height is in our favor for those of us who can't quite make a quarter-wavelength.

-Paul, N9AZ

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: QLF%mimi@magic.itg.ti.com
Subject: [5251] re: HEADPHONE RECOMENDATIONS
Message-ID: <9603051920.AA14896@itg.ti.com>

From: Brad Bradfield QLF

Subj: re: HEADPHONE RECOMENDATIONS

Steve - - -

As the earlier post indicated. I also like close fitting headphones as opposed to the foam rubber ear pieces. Part of this is because of my own hearing

related problems, one of which makes it very hard for me to comprehend well with any kind of background noise. I have two pair of headphones that are at least 25 years old. Both are the same, with soft plastic ear cups that seal quite well around the ears. I doubt if these headphones cost more than \$4 or \$5 at the time, but as far as I know, nobody makes anything similar to them at a reasonable cost. The first pair I bought from either Allied Radio or Lafayette. The second I bought at our local sidewalk sale ten years or so ago.

"Commercial" grade earphones or earphone/microphone combinations are also made by Telex. They are much more reasonable than the pilot's headphones mentioned in the earlier post, but are still not "cheap." I think Heil makes something similar to the Telex 'phones too.

I can't stress the need for comfort too much. If your ears or the side of your head are sore after an hour wearing the cans, imagine what they'll feel like after a four hour field day shift. The best thing to do is try several that your friends are using till you find just what you like.

73's

Brad, WB0CGH

Brad Bradfield, PE
108 Forestwood
Corinth, TX 76205

Electrical Design Engineer
Texas Instruments, Inc.

QLF@MSG.TI.COM

(H) 817-321-2960
(W) 214-462-6230

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M)

Collector of wireless and landline Morse keys and accessories.

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996
From: aero@napanet.net (Richard Slavens)
Subject: [5244] Re: Headphone recommendations
Message-ID: <199603051823.KAA16863@bugs.napanet.net>

Steve,

I use a pilot type head set (expensive, but very good). They are made to

wear for long periods of time, and offer the advantage of blocking out (about 20 - 25 db) of external noise. You might check at your local general aviation airport, for people wanting to sell used headsets. Most of the pilot headset Mfr.s will repair old units at little or no charge. Might also check with any pilot friends you have.

The "Gel-filled" ear seals are very comfortable, and most now have Electret Mic.s. I know it's overkill, but so nice.

72, Dick

>I have been using a pair of Archer (Radio Shack) lightweight mono headphones
>for SWL and ham work, but they are getting a little worn. I would like to
>get a better set of headphones -- mono, general purpose for both SWL and ham
>use -- but would like to find out what others are using and get their
>recommendations. Any comments, feedback etc. will be greatly appreciated.
>Thanks in advance.

>-- //Steve//

>

>Computer Associates CompuServe: 76703,3035
>Fax: 714/557-1675 Internet: kb6ojs@earthlink.net
>Phone: 714/513-7236 America Online: KB6OJS
>Homepage: <http://ourworld.compuserve.com/homepages/KB6OJS>
>Personal homepage: <http://www.earthlink.net/~kb6ojs>

>

Richard Slavens (APC) Napa, CA N19313 WA6TMF
aero@napanet.net

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Rick Blank <rblank@txdirect.net>
Subject: [5218] Re: Help wtd: Efficient hi-angle antenna ideas.
Message-ID: <1.5.4b11.32.19960305050051.00694734@txdirect.net>

At 10:34 PM 3/4/96 EST, you wrote:

>Our old Barker & Williamson AC 1.8-30 antenna on top of my EOC seems to have
>a high SWR on 160 and we were getting lousy reports on 160 through 40 meters.
> Anyone have experience with these terminated half-rhombics? I think I want
>to replace it.

>

>I was looking at the newer B&W terminated folded dipole antenna thingie for
>1.8-30 MHz. I called B&W and they say Red Cross, NATO, US military and
>others love these for HF communications. One interesting thing, I read
>about a similar-looking antenna in the Hy-Gain/Telex catalog and it was only

>something like 30% efficient from 4-30 Mhz and worse below 4 MHz. Anyone
>have experience with the B&W folded dipole and it's efficiency?
>
>My other options may be to give up wideband terminated antennas and feed a
>200' doublet (I have the room) with twinlead, or to build a trap or fan
>dipole with elements for 160, 80 and 40 meters.
>
>I do a little QRP work from our Emergency Ops Center, but we also need good
>high-angle (NVIS) coverage on 2, 4 and 7 MHz for what we do.
>
>Your comments by email are welcome.
>
>73, Jay
>WB6AAM
>
>

If you have the room and want the best NVIS antenna for the buck, build a 160m loop and feed it with ladder line...I do not have the room for a 160m loop, but, do have for a 75m one... it's about 15' above ground and not really square (it snakes thru trees), but, close in reports (<150mi) are generally better than an inverted v at about 30'..plus, the loop is quieter on receive and seems to experience a bit less fading.

This is my 3rd loop, the first was a sloping diamond loop straight out of the ARRL's "Antenna Compendium" in, if I remember correctly, Vol.1...using the loop versus an inverted with the apex at the same level as the upper corner of the loop gave me signal strengths on 40m to a buddy of mine approx 90mi away the same at 100w as using the inverted v with 1Kw...this was about 4 years ago and the loop was also a great continental US antenna...plus, it worked on 20 and 15 quite well.

I still have a horizontal 10m delta loop above the roof of my house that I use for RS-10 and 12 and it is also a good performing antenna....

Just my \$.02

better on the loop than on a trapped dipole that
Rick Blank, KI5SL rblank@txdirect.net
2223 Blanco Road KI5SL@K3WGF.STX.USA.NOAM
San Antonio, Texas 78212 AMSAT NA#26195

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: RhyneK@aol.com
Subject: [5231] Re: Help wtd: Efficient hi-angle antenna ideas.

Message-ID: <960305103553_160664932@emout04.mail.aol.com>

Horizontal loops, I have heard, are excellent high angle radiators. It sounds as though you might have enough real estate for one. Some of the antenna books have articles on them.

De KA1CX

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: N5EM@aol.com
Subject: [5261] Re: i cant build my 40-9er sniff.
Message-ID: <960305155345_238260257@emout05.mail.aol.com>

In a message dated 96-03-05 09:51:20 EST, you write:

> i just ordered my 40 9er kit from jim but my xyl says she
> wants to build it. i guess its ok. she wants me to show her
> how. maybe it will be good. if she finds out how fun it is
> maybe she wont put up a fuss next time i want a new one.
> but maybe ill ahve to get another kit.
> oh well, im waiting patiently for it.
> 73 all
> barry
> wb1edi qrp-1 #51 ne qrp #431
>
>

Cool. Wish my wife was interested. Rush another \$25 to Jim and build them together - you know, a relationship "building" experience.

Ed

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [5226] Re: Plural of "y'all"
Message-ID: <199603051453.JAA84139@nss2.CC.Lehigh.EDU>

>What I find interesting is the ridicule often meant as harmless fun in

>pointing out the differences in someone local mannner in speaking the
>English language.

>

> Frank Forsyth AA8VN Port Huron, Mi.

>

Hello Gang,

Your right Frank, you can't tell accents on CW. Personally I love accents. I think they are the sugar and spice of a language. I learned English as a second language at 4 to 5 years old playing with my little friends. My grand parents as well as my parrents spoke only French to me as a toddler. But when I studied French in college they told me I had a Canadian accent. I didn't know that at the time but after several trips to Canada, I found that I fit right in. When I spoke, they thought that I was one of them, from the accent, and spoke way too fast for me to understand what they said.

On a business trip to Dalas I had an instructor that was a Luzianer boy, raised in Arkansas, and now living in Texas. He could understand me just fine but I needed an interpereter. From " MY accent", they knew that I was from New England and got me to repeat the ole saw, "Paaahk the caaaaah in the haaaavid yaaahd. Almost everybody can say that now so we have a new test given to all suspected folks from away, and that is to say: card board carton, which is pronounced; caaadh bow-wid caaaht'n.

BTW, I will be returning to Canada for another vacation/QRP trip in July. Hope to catch you on the air. I'll be brushing up on my VE2 accent.

Bien tot,

de AA1IK

Ernie

de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
 QRP-L member #95. (pull a string than it is to push it.)

Ernie Gregoire

RR 1 Box 221

Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM

packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [5230] Re: Plural of "y'all"
Message-ID: <Pine.SUN.3.90.960305072901.10279A-100000@vortex.sage.dri.edu>

On Tue, 5 Mar 1996, ERNEST GREGOIRE wrote:

>
>
> Your right Frank, you can't tell accents on CW. Personally I love accents.
>
>

Oh, but you can. Keyers and keyboards tend to cover them up a bit, but there is nothing like a bug or hand pump to put the accent into CW.

You can pick out individuals long before they send their calls.

Long live skill and pride with the simpler tools..... (I never once heard anyone complain about their battery going dead in their bug!)

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
...ku7y@sage.dri.edu.....Washoe Lake, Nevada....
...QRP-L #17....ARRL....NorCal #330.....NRA LIFE.....

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [5232] Re: Plural of "y'all"
Message-ID: <01BB0A7B.046677E0@muenzlerk.uthscsa.edu>

>What I find interesting is the ridicule often meant as harmless fun in
>pointing out the differences in someone local mannner in speaking the
>English language.
>

> Frank Forsyth AA8VN Port Huron, Mi.

[soap-box on]

Oh, come on now! Lighten up already! Who's ridiculing anyone?

I've lived in Texas all my life. When I visit other states people laugh at my accent and I just reply "what accent?" It's a sad person who can't laugh at himself. I won't go out of my way to be politically correct and I won't say anything to purposefully hurt someone's feelings. But I don't apologize for my feelings or opinions. If the shoe fits, wear it. If you don't like the style, change it.
[soap-box off]

73, y'all
Kevin, WB5RUE
wb5rue@amsat.org
muenzlerk@uthscsa.edu

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: Jim Lowman <jlowman@iepsnet.com>
Subject: [5245] Re: Plural of "y'all"
Message-ID: <199603051842.NAA33362@nss2.CC.Lehigh.EDU>

At 10:53 PM 3/4/96 EST, you wrote:

>As someone who was born in the Kentucky (Mountain William a.k.a. hill billy)
>but living in Michigan most of my life I have had to put up with a certain
>amount of harrassment because of certain speech patterns. As a trial
>attorney I have developed keen ear in listening to not only what a witness
>may say but "how" something is said. Clearly one's speech patterns differ in
>various regions of the country, sometimes even in one area of a state such
>as southern Ohio vs. northern Ohio. If you think about it, however, no one
>dialect is superior to another--just different. The terms "twang" or "drawl"
>defy intelligent meaning.

The problem is, there is a lot of chauvanism in this area. I grew up in Michigan also, and there was a tendancy to look down on those who had migrated from the southern states.

I don't know about others, but when I hear certain regional dialects, a mental picture forms, and may result in a poor first impression of someone that I meet for the first time.

Be happy that you don't have to listen to "Valley" or "surfer" types like here in SoCal. :-)

>I guess that is why I like CW.

Me, too, but for other reasons.

> "C-ya" (that is Michigander for SEE YOU).

Flint was the place that I called home from 1948-1968.

72/73 de Jim - KF6CR
San Bernardino, CA

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: prvalko <prvalko@Oakland.edu>
Subject: [5222] Re: QST March p.47-48
Message-ID: <Pine.OSF.3.91.960305084915.20329A-100000@saturn.acs.oakland.edu>

On Mon, 4 Mar 1996, chuck adams wrote:

> going this a.m. Had to check out the SWL-40
> after hauling it to 8-land and back to make
> sure the baggage handlers didn't do it any
> harm. Looks like it survived.

Sure had a great time visiting with you while you were up here! You'll be happy to hear that I ordered a 49er kit for Walt, WB8E. It'll be his first time holding a soldering pencil and if I know Walt, it won't be his last :-)

73 =paul= wb8zjl

From qrp-1@lehigh.edu Tue Mar 5 22:57:49 1996
From: KFGlynn@aol.com
Subject: [5262] Re: Re[2]: Plural of "y'all"
Message-ID: <960305160003_438791329@mail02.mail.aol.com>

In a message dated 96-03-05 11:31:31 EST, RHILT0@acxiom.com writes:

>("y'all" sure sounds better than "youse guyz").
>
>7.3, ki5ez

Hello Robert,

My vocabulary is rather extensive. Not bad from a gentlemen who lives in Brooklyn. In fact, I've never uttered "youse guyz".

Kevin KB2TE0

From qrp-l@lehigh.edu Tue Mar 5 22:57:49 1996
From: Steve Bornstein <saborns@freenet.columbus.oh.us>
Subject: [5271] Re: Schurr Profi paddle
Message-ID: <Pine.3.07.9603052125.A23364-c100000@acme>

On Tue, 5 Mar 1996, David E. Shelton wrote:

> A month or so ago I read some messages on the group about Schurr paddles
> and I was interested in getting some more feedback on the quality and
> durability of the Schurr paddles particularly the Profi. I have just
> ordered one from Tucker and looking forward to the arrival. I had a new
> Square based Brass Racer that I purchased direct from Vibroplex with the
> SN 31 from the first lot. However, I am getting ready to return it
> because of the poor quality. The laquer finish was peeling off on removal
> from the shipping box and the brass base was so crooked on the oak wood
> base that I started to wonder if the thing was supposed to be mounted
> that way. Functionally the Brass Racer worked alright but not in the same
> league with their Iambic paddle which I currently use and love dearly. It
> was truly a sad sight to see such a poorly made paddle with the Vibroplex
> name attached to it.

>
> Any info on the Schurr Profi would be greatly appreciated. Thanks!

>
> 73/72,

>
> -----
> David E. Shelton, RN, BSN KE4FPS |
> |
> University of Louisville, SON |
> deshel101@homer.louisville.edu |
> 102551,1470@compuserve.com |
> KE4FPS@WD9AGK.#SIN.IN.USA.NA (packet) |
> "Every Patient Deserves A Nurse!" |
> |
QRP ARCI #9079 FISTS #2103 QRP-L #142
>

Dave et al,

I just received a Brass Racer from Vibroplex. Mine also had what I thought was a bit over much laquer. I ended up taking the key apart and cleaning and polishing the parts. I also made a new mahogany base. The whole project did not take too much time and now the paddle looks 100% better. I like the feel of the key but was disappointed in its appearance.

Incidentally, I wrote Mitch a note suggesting the above mentioned "improvements".

73, Steve K8IDN>QRP-L #331
>